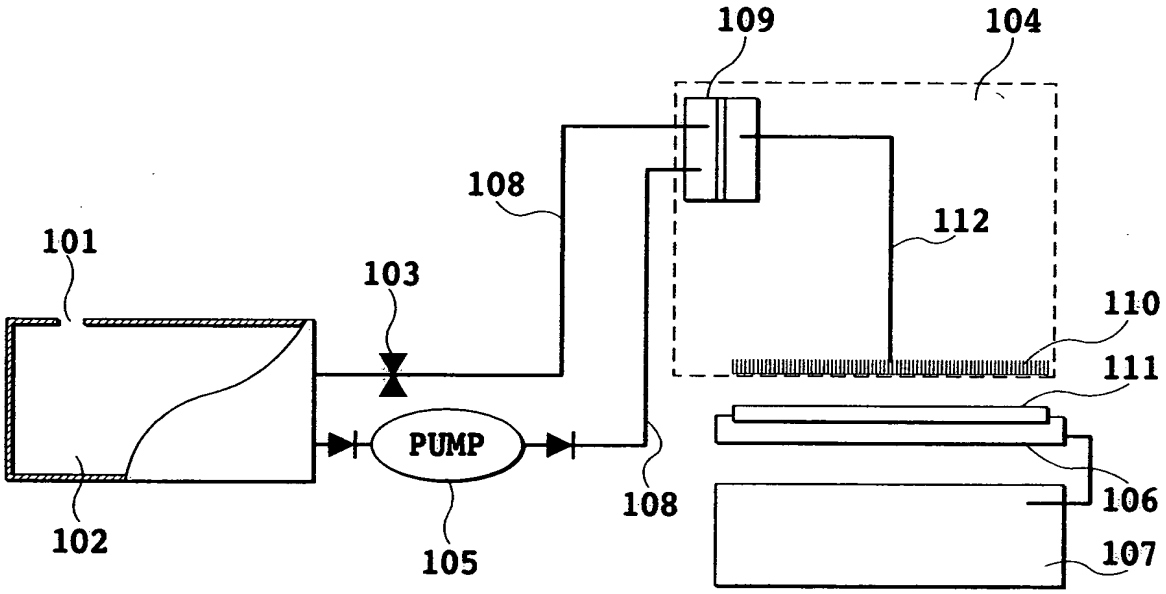


FIG.1

FIG.2A

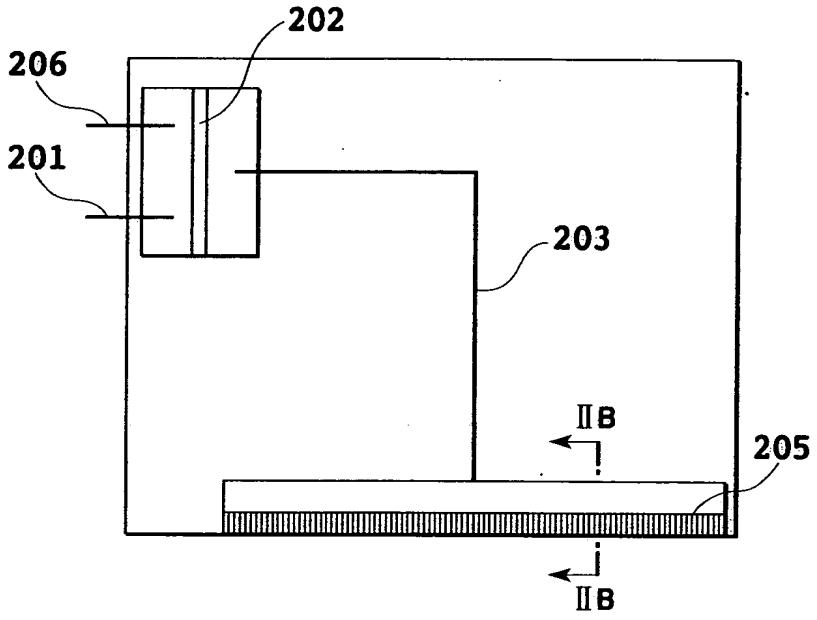
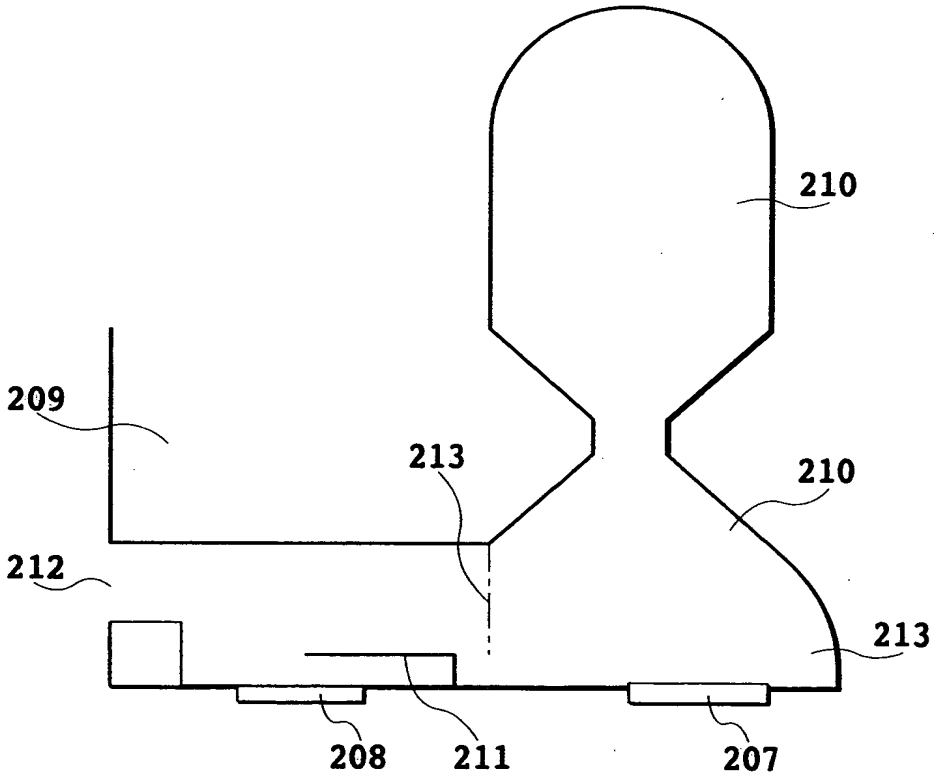


FIG.2B



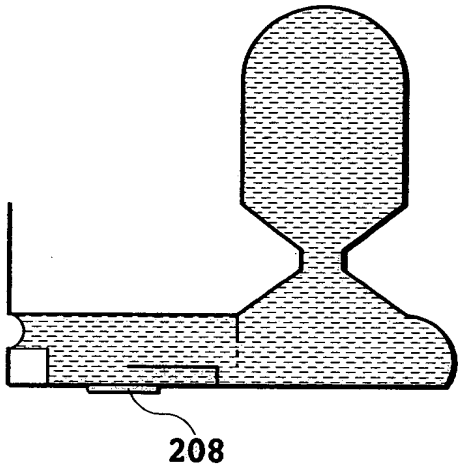


FIG.3A

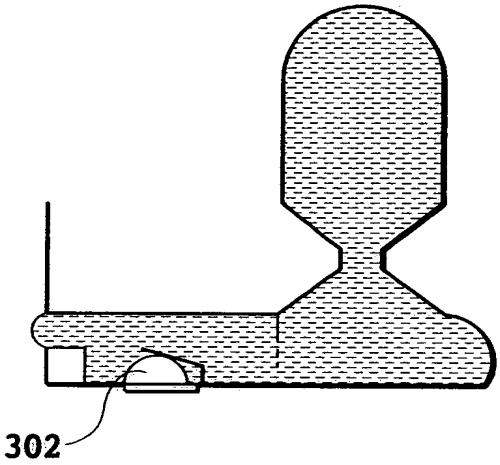


FIG.3B

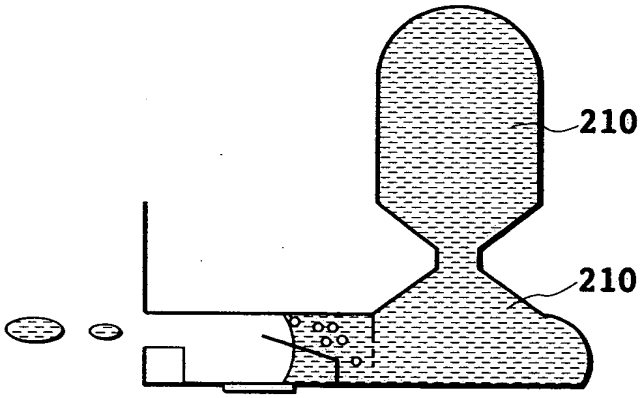


FIG.3C

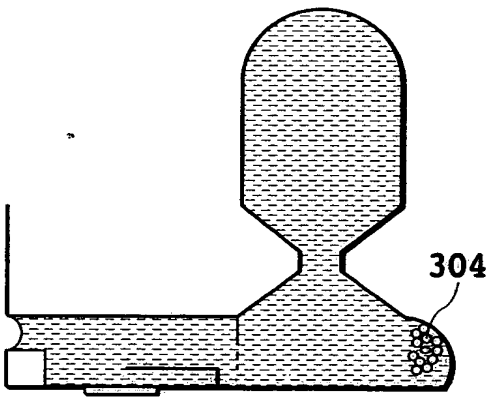


FIG.3D

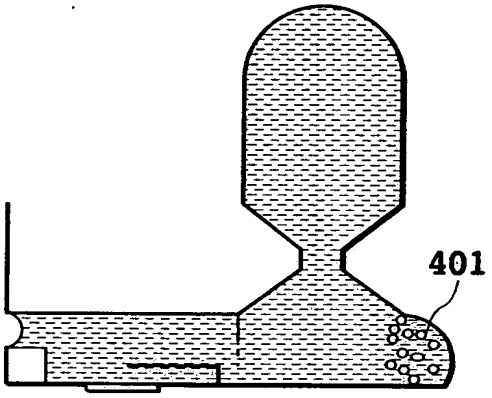


FIG.4A

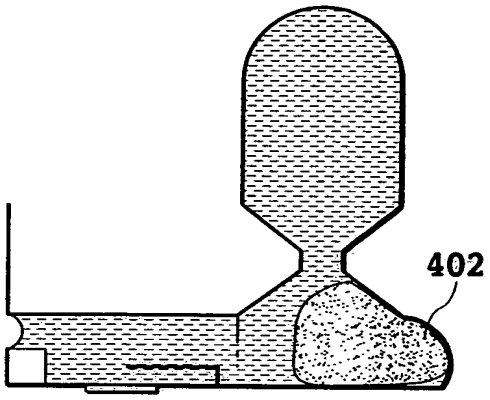


FIG.4B

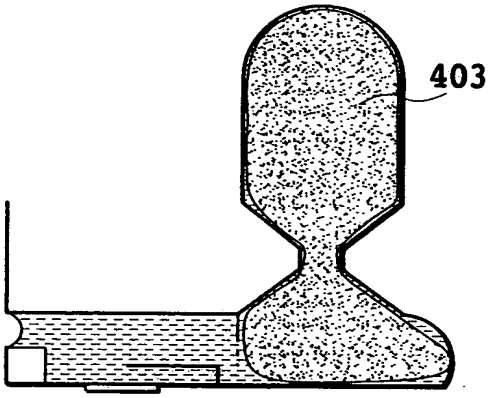


FIG.4C

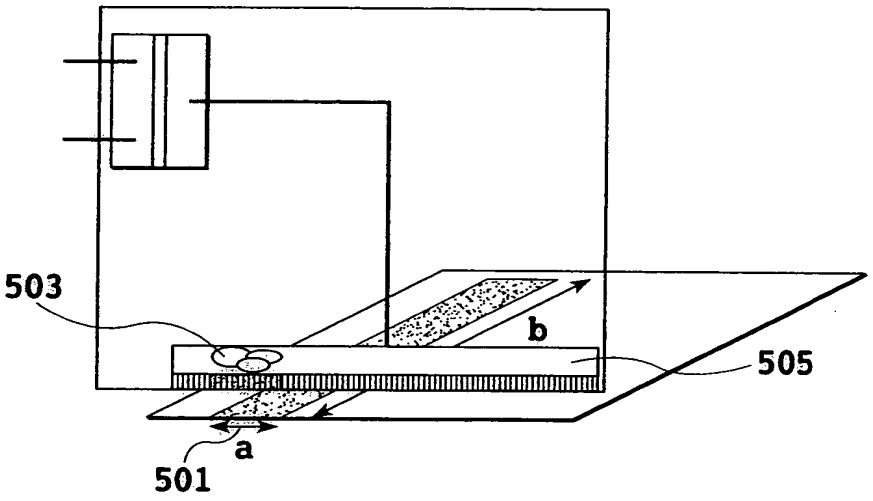


FIG.5A

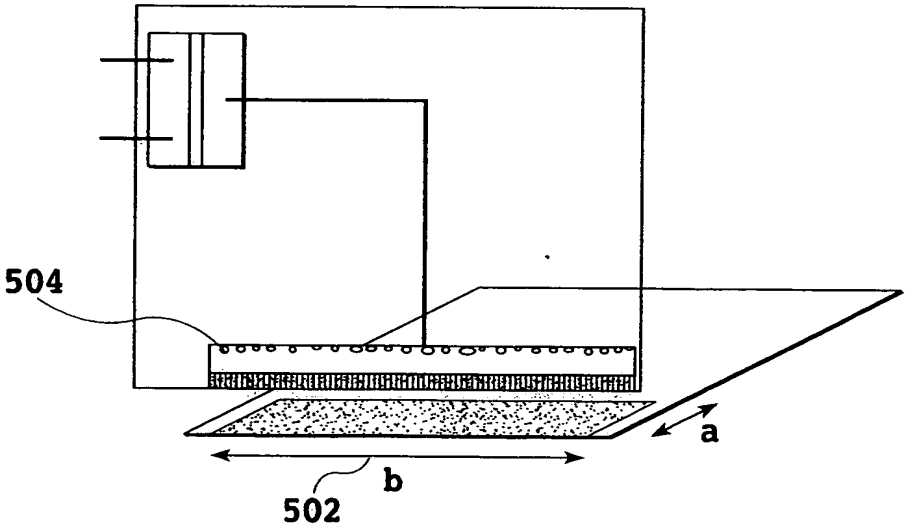


FIG.5B

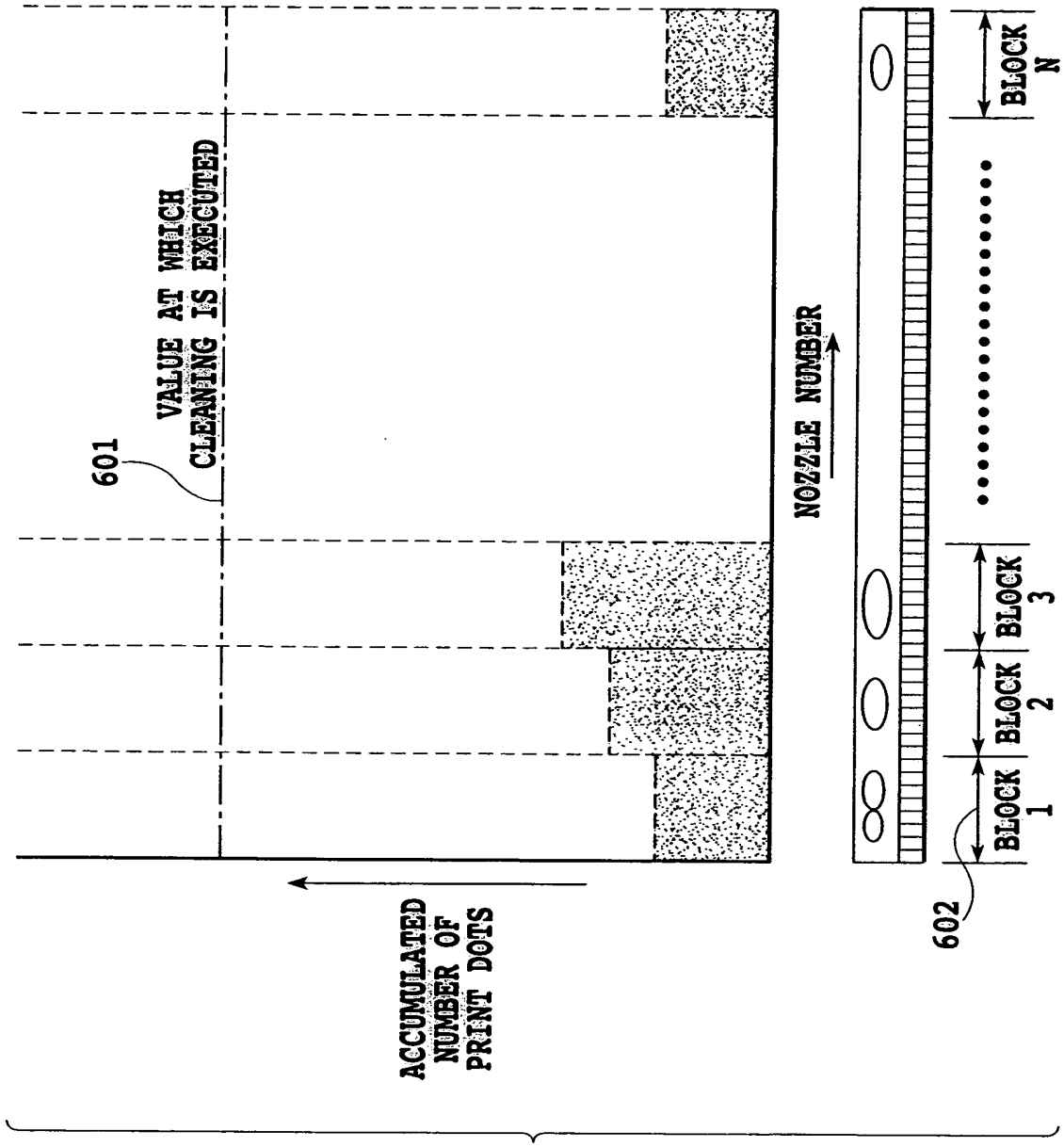

VALUE AT WHICH CLEANING IS EXECUTED
601
ACCUMULATED NUMBER OF PRINT DOTS
NOZZLE NUMBER
BLOCK 1
BLOCK 2
BLOCK 3
BLOCK N
602

FIG.6

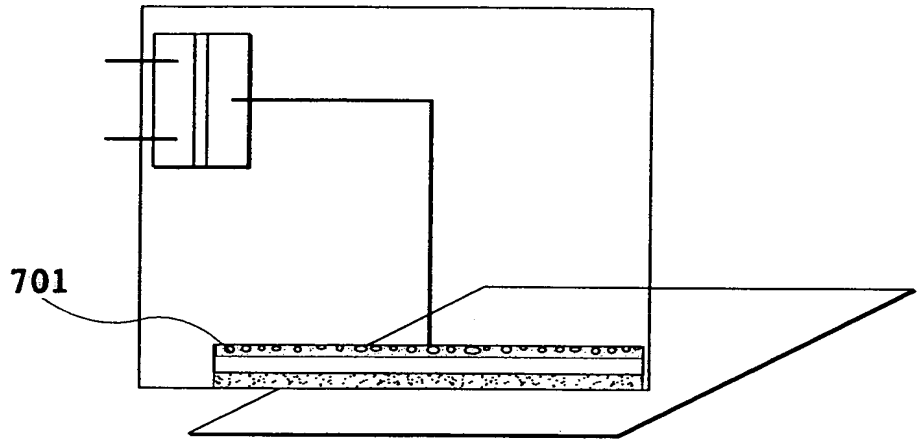


FIG.7A

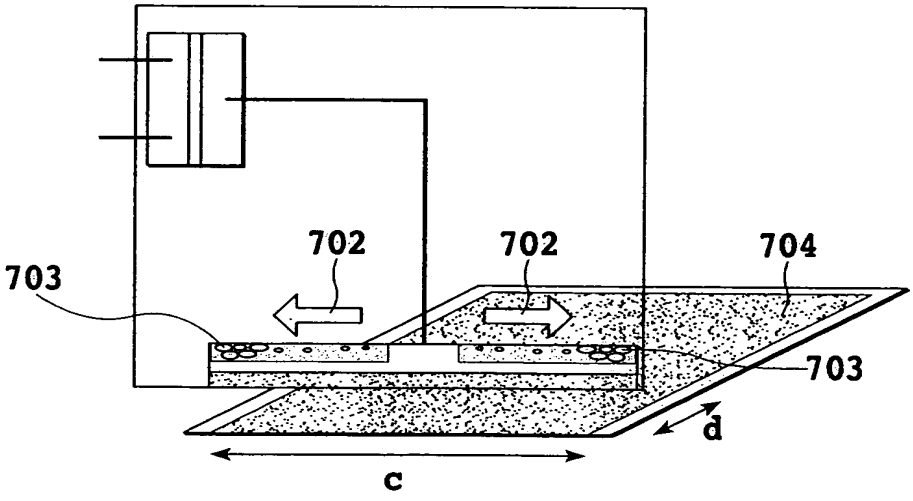


FIG.7B

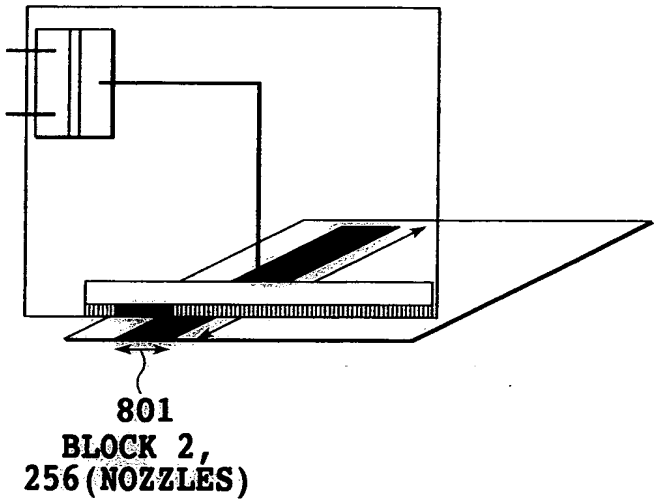


FIG.8A

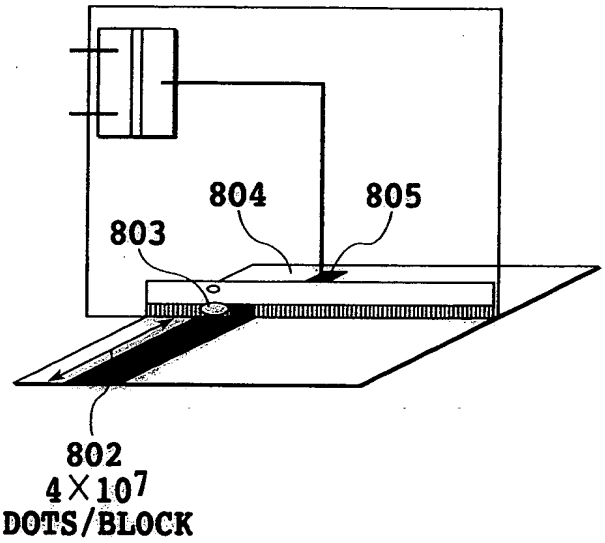


FIG.8B

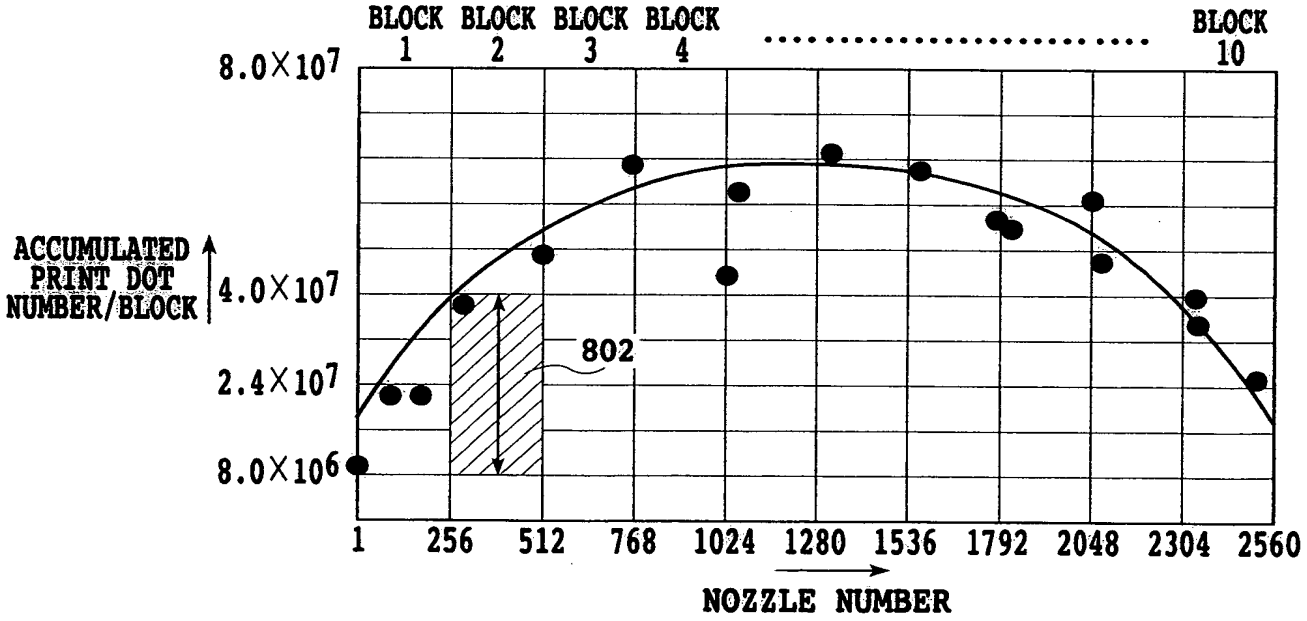


FIG.8C

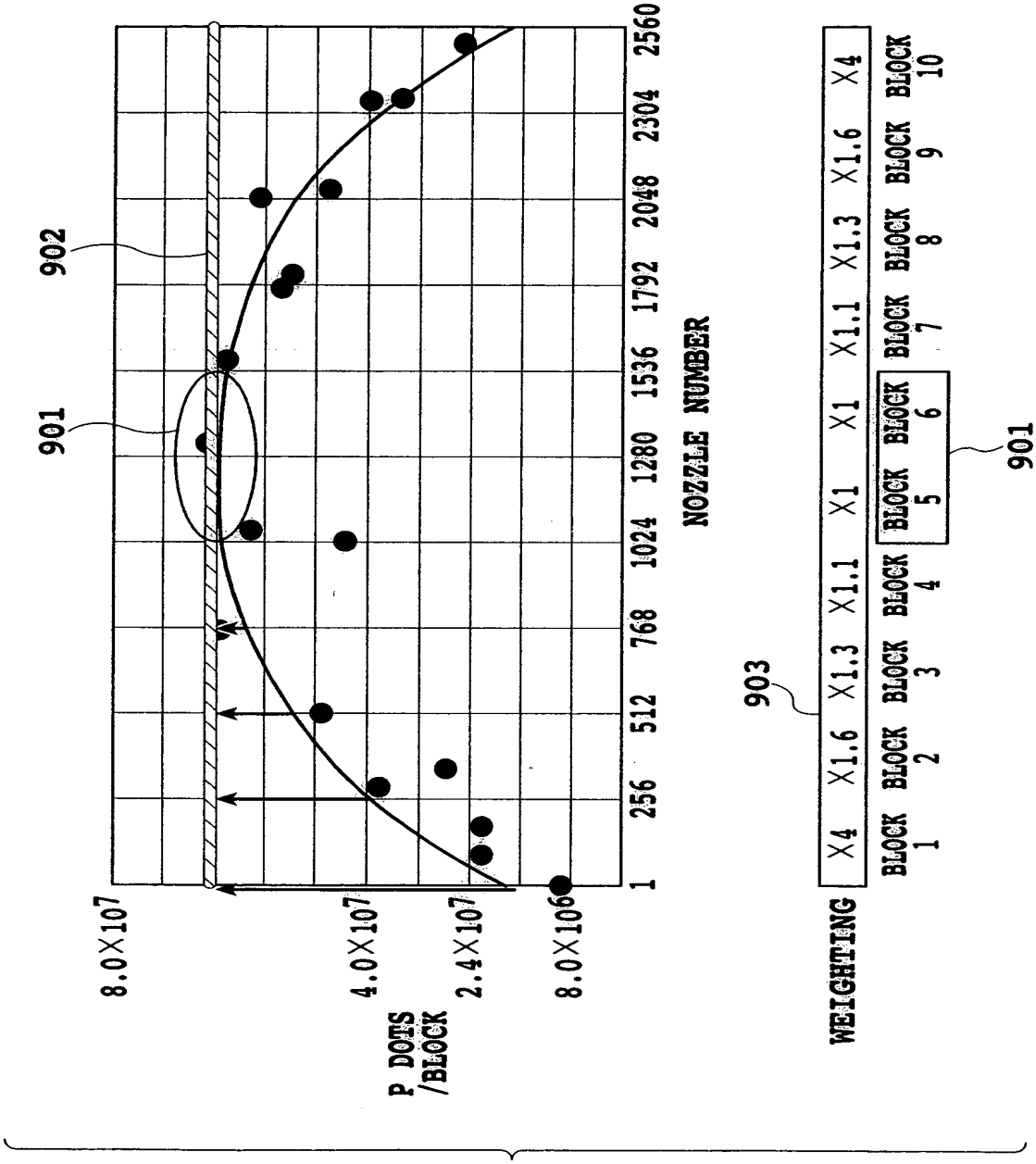

902
901
8.0X10^7
4.0X10^7
2.4X10^7
8.0X10^6
P DOTS /BLOCK
1
256
512
768
1024
1280
1536
1792
2048
2304
2560
NOZZLE NUMBER
903
WEIGHTING
X4
X1.6
X1.3
X1.1
X1
X1
X1.1
X1.3
X1.6
X4
BLOCK 1
BLOCK 2
BLOCK 3
BLOCK 4
BLOCK 5
BLOCK 6
BLOCK 7
BLOCK 8
BLOCK 9
BLOCK 10
901

FIG.9

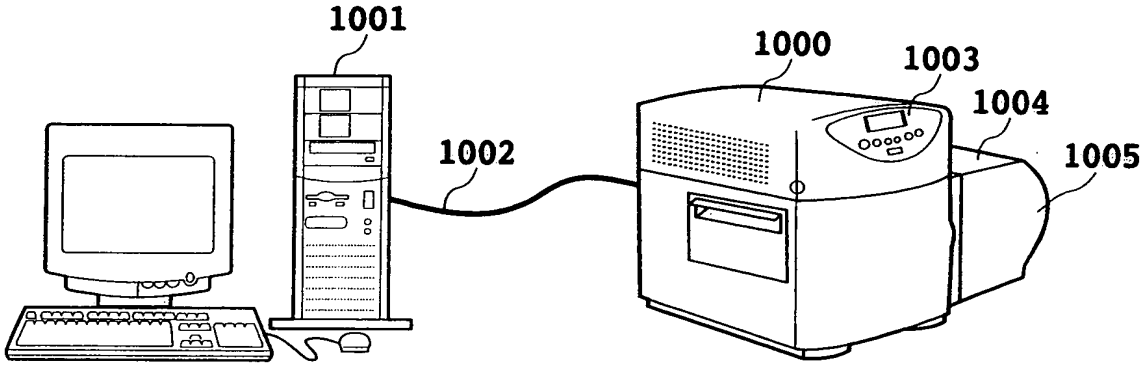


FIG.10A

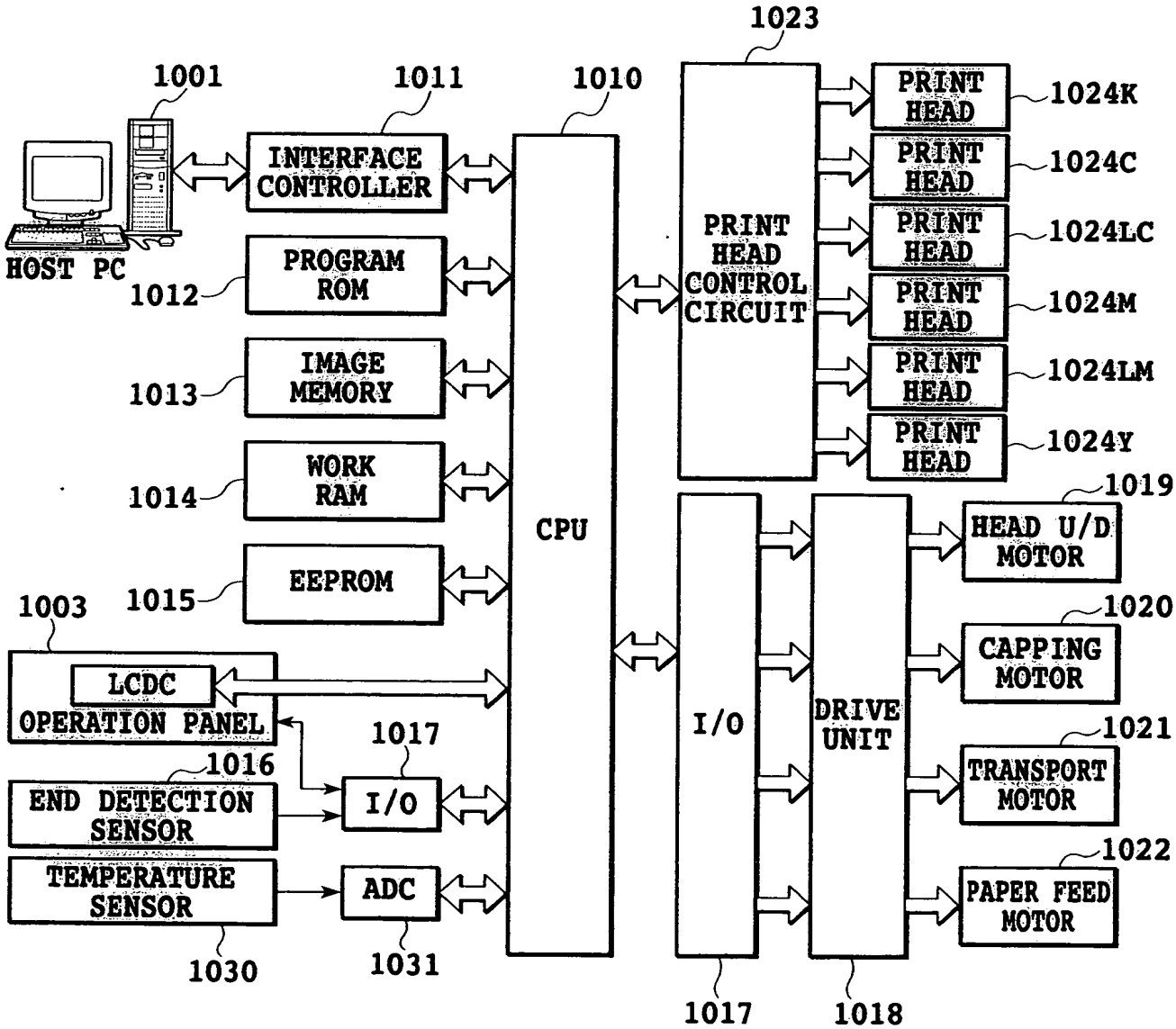


FIG.10B

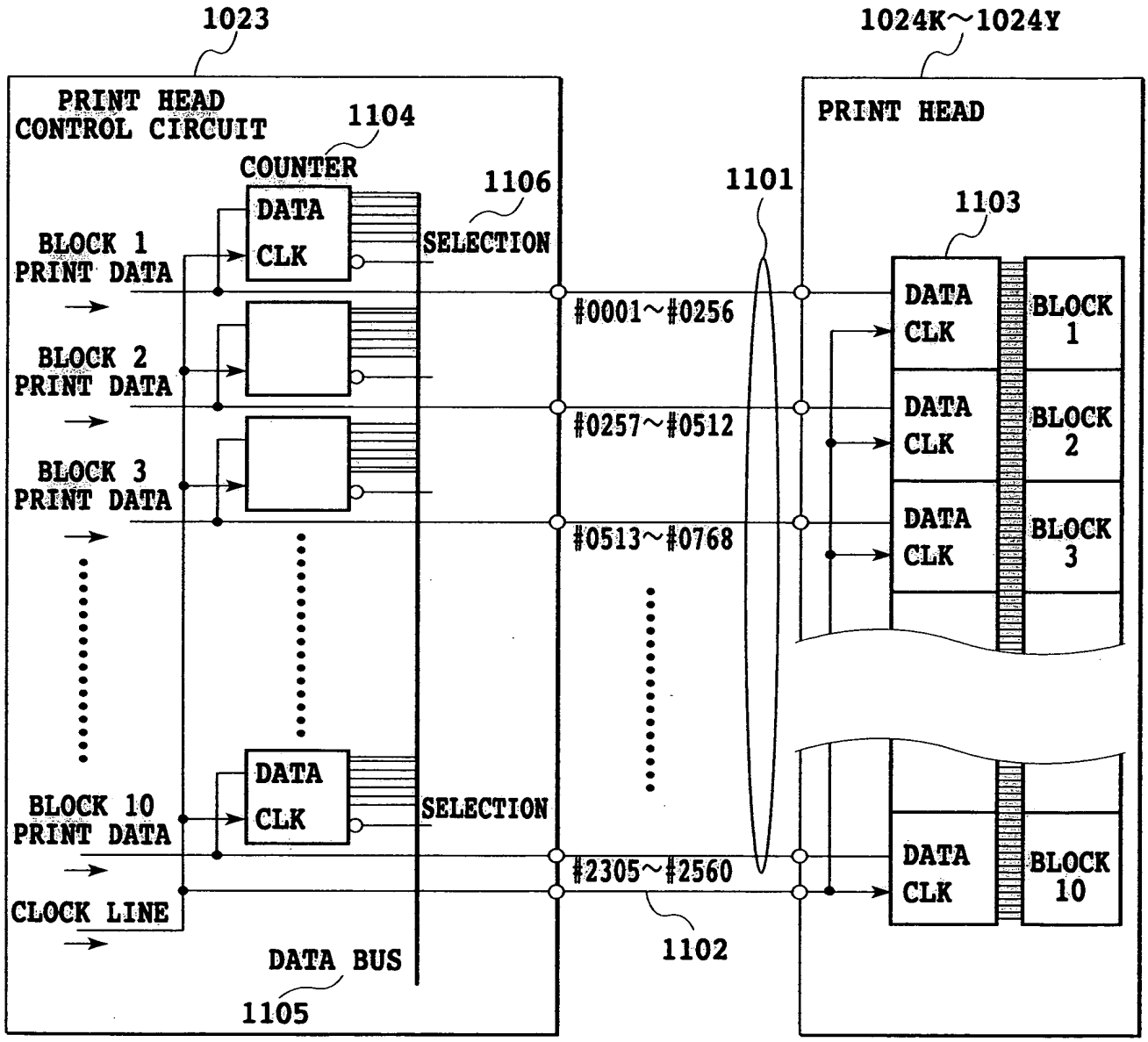

1023
PRINT HEAD CONTROL CIRCUIT
1104
COUNTER
1106
DATA
CLK
SELECTION
BLOCK 1 PRINT DATA
BLOCK 2 PRINT DATA
BLOCK 3 PRINT DATA
BLOCK 10 PRINT DATA
CLOCK LINE
DATA BUS
1105
1101
#0001~#0256
#0257~#0512
#0513~#0768
#2305~#2560
1102
1024K~1024Y
PRINT HEAD
1103
BLOCK 1
BLOCK 2
BLOCK 3
BLOCK 10

FIG.11

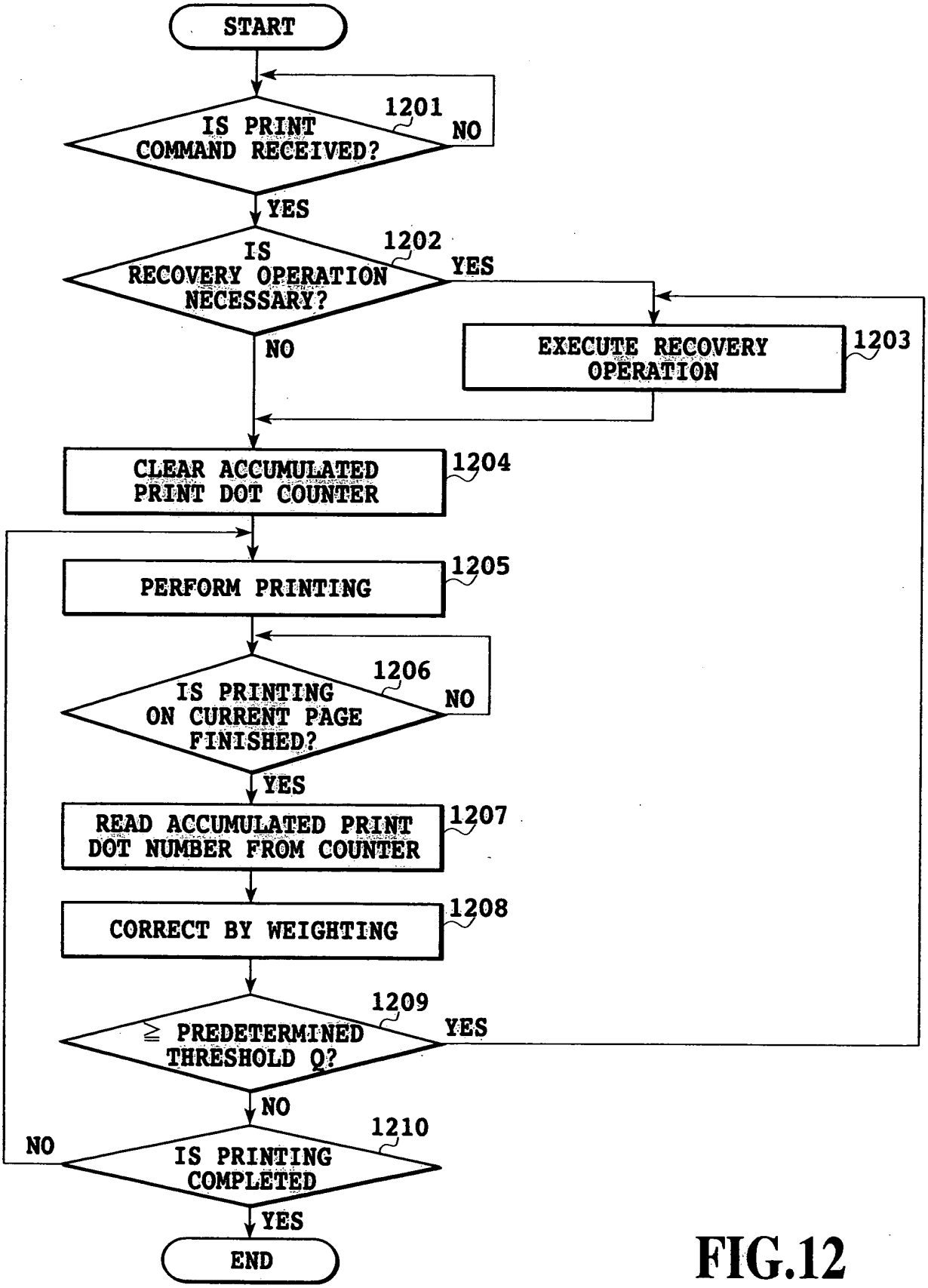

START
IS PRINT COMMAND RECEIVED?
1201
NO
YES
IS RECOVERY OPERATION NECESSARY?
1202
YES
NO
EXECUTE RECOVERY OPERATION
1203
CLEAR ACCUMULATED PRINT DOT COUNTER
1204
PERFORM PRINTING
1205
IS PRINTING ON CURRENT PAGE FINISHED?
1206
NO
YES
READ ACCUMULATED PRINT DOT NUMBER FROM COUNTER
1207
CORRECT BY WEIGHTING
1208
≧ PREDETERMINED THRESHOLD Q?
1209
YES
NO
IS PRINTING COMPLETED
1210
NO
YES
END

FIG.12

IN-APPARATUS TEMPERATURE	BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4	BLOCK 5	BLOCK 6	BLOCK 7	BLOCK 8	BLOCK 9	BLOCK 10
≧30℃	5.0	1.8	1.4	1.2	1.1	1.1	1.2	1.4	1.8	5.0
≧15℃	4.0	1.6	1.3	1.1	1.0	1.0	1.1	1.3	1.6	4.0
<15℃	3.0	1.4	1.2	1.0	1.0	1.0	1.0	1.2	1.4	3.0

FIG.13

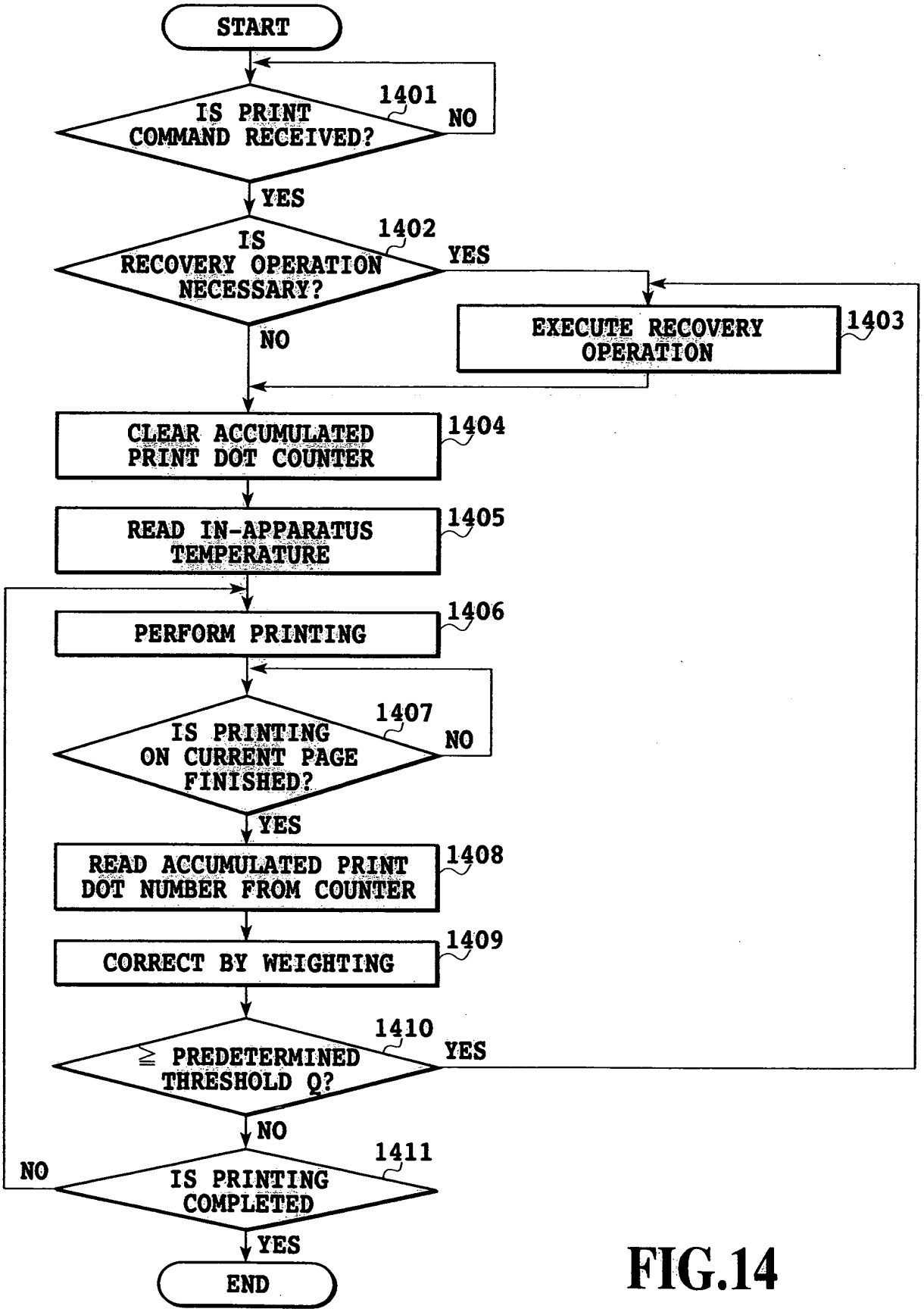

START
IS PRINT COMMAND RECEIVED?
1401
NO
YES
IS RECOVERY OPERATION NECESSARY?
1402
YES
NO
EXECUTE RECOVERY OPERATION
1403
CLEAR ACCUMULATED PRINT DOT COUNTER
1404
READ IN-APPARATUS TEMPERATURE
1405
PERFORM PRINTING
1406
IS PRINTING ON CURRENT PAGE FINISHED?
1407
NO
YES
READ ACCUMULATED PRINT DOT NUMBER FROM COUNTER
1408
CORRECT BY WEIGHTING
1409
≧ PREDETERMINED THRESHOLD Q?
1410
YES
NO
IS PRINTING COMPLETED
1411
NO
YES
END

FIG.14